

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-22 (canceled)

23 – 40 (canceled)

41. (currently amended) A method for correcting vision in an eye, the eye having a cornea with an external surface and an optical axis, comprising the steps of

separating a portion of the cornea to form first and second internal surfaces,
placing a first lens having ~~an~~ a first opening therein between the first and second internal surfaces, the first opening being substantially centered about the ~~main~~ optical axis, the first lens having a first inner wall defined by the first opening, a first outer wall, and a thickness between about one and about 50 microns, ~~so that the external surface of the cornea is not substantially displaced by the first lens~~[[,]] and

placing a second lens having a second opening therein between the first and second internal surfaces, the second opening being substantially centered about the ~~main~~ optical axis and concentric with the first lens, the second lens having a second inner wall defined by the second opening, a second outer wall and a thickness between about one and about 50 microns[[,]] ~~so that the external surface of the cornea is not substantially displaced by the second lens.~~

42. (previously presented) A method according to claim 41, wherein

the placing step includes placing at least one of the first and second lenses substantially concentrically about the optical axis of the eye.

43. (currently amended) A method according to claim 41, wherein
the placing step includes placing both the first and second lenses substantially
concentrically about the optical axis of ~~them~~ the eye.
44. (currently amended) A method according to claim 41, wherein
the first and second lenses have a thickness of about 2-3 microns, so that when the
first and second lenses are inserted between the first and second internal surfaces, the first
and second internal surfaces are not substantially displaced.
45. (previously presented) A method according to claim 44, wherein
the separating step includes separating the portion of the cornea to form a corneal
flap.
46. (previously presented) A method according to claim 45, further including the steps of
moving the corneal flap to expose the first and second internal surfaces, and
replacing the corneal flap after the first and second lenses have been placed in
between the first and second internal surfaces.
47. (previously presented) A method according to claim 46, wherein
the first and second lenses each have a power of about plus one to about plus three
diopters.
48. (previously presented) A method according to claim 44, wherein
the placing steps include placing the first and second lenses laterally adjacent one
another without any portion of one lens contacting any portion of the other lens.
49. (currently amended) An intracorneal lens system for implantation in the eye to correct
refractive error thereof, comprising:

a first lens portion having a first outer surface and a thickness of between about one and about 50 microns, said first outer surface defining a first outer diameter;

a first aperture extending through said first lens portion, said first aperture defining a first inner diameter and a first inner surface;

a second lens portion having a second outer surface and a thickness of between about one and about 50 microns, the second outer surface defining a second outer diameter, the second lens portion being substantially concentric to the first lens portion; and

a second aperture extending through said second lens portion, said second aperture defining a second inner diameter and a second inner surface;

wherein said second lens portion has a refractive index different from the refractive index of said first lens portion.

50. (previously presented) An intracorneal lens system according to claim 49, wherein said first lens portion has a refractive index different from the refractive index of the cornea.

51. (previously presented) An intracorneal lens system according to claim 49, wherein said second inner diameter is about one millimeter larger than said first outer diameter.

52 – 67 (canceled)